



The State of New Hampshire  
**Department of Environmental Services**



**Robert R. Scott, Commissioner**

May 1, 2020

Debra A. Howland, Executive Director and Secretary  
New Hampshire Public Utilities Commission  
21 South Fruit Street, Suite 10  
Concord, NH 03301-2429

**Re: 1<sup>st</sup> Quarter Emissions Verification Summary for Certified Renewable Energy Sources (DE 08-024, DE 08-044, DE 08-051, DE 09-104, DE 12-091, DE 13-265, DE 14-007, DE 14-182, DE 14-209, DE 14-296, REC 15-081, REC 16-546, RREC 16-1214, RREC 17-90015, RREC 17-90017, RREC 18-0351, RREC 18-0485, and RREC 19-0181)**

Dear Ms. Howland:

Based on the attached summary, the New Hampshire Department of Environmental Services (DES) recommends certification of the following wood-fired power plants as renewable energy sources, because the facilities meet average emission rates of 0.02 lb/MMBtu (or an alternative plan) and 0.075 lb/MMBtu, for particulate (TSP) and nitrogen oxides (NO<sub>x</sub>), respectively:

**Pinetree Power, Inc.**

1241 Whitefield Rd  
Bethlehem, NH 03574  
GIS Unit ID #: MSS337

**Pinetree Power-Tamworth, Inc.**

469 Plains Rd  
Tamworth, NH 03886  
GIS Unit ID #: MSS592

**Pinetree Power-Fitchburg, Inc.**

2 Rowtier Drive  
Westminster, MA 01473  
GIS Unit ID #: MSS538

**Granite Shore Power (GSP)**

**Schiller Station #5**  
400 Gosling Rd  
Portsmouth, NH 03801  
GIS Unit ID #: MSS557

**Bridgewater Power Company**

Route 3  
Bridgewater, NH 03222  
GIS Unit ID #: MSS357

**Berlin Station, LLC**

One Community Street  
Berlin, NH 03570  
GIS Unit ID #: MSS16653

**Ryegate Power Station**

247 Weesner Drive  
East Ryegate, VT 05042  
GIS Unit ID #: MSS2433

**DG Whitefield LLC not operating**

260 Airport Rd.  
Whitefield, NH 03598  
GIS Unit ID #: MSS618

**Springfield Power LLC not operating**

54 Fisher Corner Rd.  
Springfield, NH 03284  
GIS Unit ID #: MSS436

[www.des.nh.gov](http://www.des.nh.gov)

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Based on the attached summary, DES recommends certification of the following wood-fired boilers as thermal renewable energy sources, because the facilities meet average emission rates of 0.10 lb/MMBtu for TSP and best management practices (BMP) for NOx, respectively:

**Littleton Regional Healthcare (LRH)**

600 Saint Johnsbury Road  
Littleton, NH 03561

**Androscoggin Valley Hospital (AVH)**

59 Page Hill Road  
Berlin, NH 03570

**Warwick Mills**

301 Turnpike Rd.  
New Ipswich, NH

**EMD Millipore**

11 PRESCOTT RD  
Jaffrey, NH

**Memorial Hospital**

3073 White Mountain Highway  
North Conway, NH 03860

**Holderness School**

21 Mt. Prospect Road  
Holderness, NH 03245

**Froling Energy**

590 Hancock Road  
Peterborough, NH

**Keene State College (three boilers)**

229 Main St.  
Keene, NH 03435

**Merrimack County DoC**

Boscawen, NH

**Rockingham County Complex**

Brentwood, NH

**Sullivan County Complex**

Unity, NH

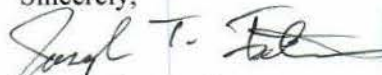
**Maplewood**

Westmoreland, NH

DES communicated directly with PUC staff regarding eligibility for newly eligible small (<3 mmBtu/hr) thermal renewable energy sources.

If you have any questions regarding DES's recommendations, please contact me at [joseph.fontaine@des.nh.gov](mailto:joseph.fontaine@des.nh.gov) or (603) 271-6794.

Sincerely,



Joseph T. Fontaine  
Trading Programs Manager  
Air Resources Division

cc: Jason Morse, NH PUC



1st Quarter 2020		0.075 lb/mmbtu	maximum allowed	0.02 lb/mmbtu
Source Name	NOx #/MMBTU Quarter Average	TSP Test Date	TSP Emission Average #/mmbtu	
PT Tamworth 300019	0.070	14-Jun-19	0.002	
PT Bethlehem 900026	0.070	17-May-18 3-year test frequency approved by DES	0.004	
PT Fitchburg	0.062	May-19	0.006	
GSP SR5 1500012	0.066	May-17 3-year test frequency approved by DES	0.002	
Whitefield 700010	not operating	May-18	0.010	
Springfield Power 1900031	not operating	Jun-18	0.006	
Berlin 790137	0.060	16-Oct-19 3-year test frequency approved by DES	0.003	
Bridgewater Power 900021	0.070		n/a under Alternative Plan	
Ryegate	0.073	Jun-19	0.0014	
<b>Thermal Sources</b>	<b>99% CE</b>	<b>maximum allowed</b>	<b>0.1 lb/mmbtu</b>	
Sullivan County Complex 1900026	99.97% annual tune-up & CE test	5-Dec-18 1-time test	0.049	
Conway Memorial 300006	99.999% 99.993% annual tune-up & CE test	1-time test	9-Sep-15 boiler #1 10-Sep-15 boiler #2 quarterly reporting of <90% capacity required	0.081 0.095
Grafton County Complex	annual tune-up & CE test	1-time test	pending	
Froling Energy 500069	99.99% CE annual tune-up & CE test	1-time test	18-Apr-17	0.089
Keene State College 500003	99.999% CE annual tune-up & CE test	1-time test	13-Dec-17 boiler #2 13-Dec-17 boiler #3 26-Apr-17 boiler #4	0.007 0.024 0.009
Maplewood 500010	99.99% CE annual tune-up & CE test	1-time test	11-Dec-19	0.038 eligible for Q1 2020
Merrimack County 1300164	99.95% CE annual tune-up & CE test	1-time test	6-Dec-17	0.022
Rockingham County 3301500014	99.99% annual tune-up & CE test	1-time test	11-Apr-18	0.0187
Weeks Medical Center	annual tune-up & CE test	1-time test	pending	
Holderness School 900137	99.998% annual tune-up & CE test	1-time test	15-Dec-15	0.0075 quarterly reporting of <90% capacity required
EMD Millipore 500056	99.95% CE annual tune-up & CE test	1-time test	13-Mar-15 8/21/2018	0.009 0.004
Littleton Regional Healthcare 990284	99.99% CE annual tune-up & CE test	1-time test	17-Mar-14 boiler #1 18-Mar-14 boiler #2	0.056 0.032
Warwick Mills 110129	99.89% CE annual tune-up & CE test	1-time test	30-Sep-14 1-Oct-14	0.018
AVH 7007	99.99% CE annual tune-up & CE test	1-time test	4-Jun-14	0.067